FLEXIBLE PACKAGING SOLUTIONS



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THE ONE STOP SUPPLIER
for flexible packaging

The **IMA FLEXIBLE PACKAGING HUB** answers to your demands with an infinity of targeted technologies.
Our primary, secondary and end-of-line packaging solutions combine with each other to form tailored turnkey lines able to handle the broadest variety of flexible pack styles. Machines can be configured to process recyclable and sustainable materials, while digital features and connectivity maximise line efficiency.
For **Food, Pharma, Wet Wipes and Pet markets, IMA FLEXIBLE PACKAGING HUB** will place you at the centre of a neverending partnership.

TURN-KEY HORIZONTAL AND VERTICAL SOLUTIONS

IMA FLEXIBLE PACKAGING HUB, taking advantage of **synergies and integrations with IMA Group companies** and thanks to proven expertise gained in food & non-food industries' key applications, offers fully engineered solutions delivering highly efficient flexible packaging lines to maximise your line's OEE, with real time operator-specific production and diagnostics data.

From automatic loading systems to cartoning, from product feeding and handling to single and multiple flow wrapping. Weighing solutions coupled with vertical baggers and end of line equipment.
IMA FLEXIBLE PACKAGING HUB is your perfect partner for delivering **turn-key horizontal and vertical solutions**. Its high-speed flexible automation systems are capable of the highest production throughput requirements.
The **portfolio** includes systems for modified atmosphere applications (M.A.P.) and vacuum, as well as machines for 4 side seals, multi-lane and sticks, fold pack and sandwiching. The HUB also offers counting solutions, dosing devices and complete, fully automated Doy pouch lines.





IMA GROUP, WITH ITS VAST RANGE OF FLEXIBLE PACKAGING SOLUTIONS, CAN SATISFY EVERY FORM, FILL AND SEAL PACKAGING REQUIREMENT OF FOOD, PHARMA, WET WIPES AND PET MARKETS.

INDUSTRIES

IMA FLEXIBLE PACKAGING HUB, with its vast range of flexible packaging solutions, can satisfy every form, fill & seal, weighing & counting and secondary packaging requirement of Food, Pharma, Wet Wipes and Pet markets. IMA's team of specialists take great pride in their many years of hands-on experience in these industries. This field-tested know-how is expertly applied to the wide range of reliable, flexible and innovative packaging machinery and automatic lines designed and manufactured with your needs in mind.

MARKET SEGMENTS

- Bakery
- Biscuits & Cookies
- Beverages & Baby Food
- Chocolate & Confectionery
- Dairy
- Fish & Seafood
- Granules & Powders
- Home & Personal Care
- Ice Cream
- IQF
- Meat & Poultry
- Pasta & Noodles
- Pet Food
- Pharma & Medical
- Pizza & Tortillas
- Preserves & Condiments
- Produce
- Snacks
- Tea & Coffee
- Wet Wipes

PACK STYLES

HFFS



Pillow

Pillow with gusseting



Pillow Reclosable with stand-up feature

Quattro



3 side seal



X Fold

VFFS

Pillow

Block Bottom

3 side seal



Quattro



Carry fresh

Flexcan



Easypack

STAND-UP POUCH



Stand-Up Pouch Shark



Stand-Up Pouch with top spout



Stand-Up Pouch with corner spout and handle

STICK PACK AND FIN SEAL



Centered stick pack



Pour spout stick pack



Easy opening features stick pack



Fin seal



Easy opening features fin seal



Pour spout fin seal

CARTONING AND END OF LINE



Wrap-around tray with or without closing lid



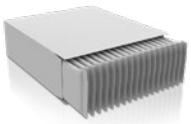
Top loading tray and display box



Display box for flexible packs



Pre-glued carton for single product



Pre-glued carton for multiple products



Display boxes for flexible packs

END OF LINE



Wrap around case



Standard RSC case



Pallet

HORIZONTAL FORM FILL & SEAL
Solutions

HFFS Flow wrapping machines tailored to match each customer's specific needs and deliver maximum production flexibility and efficiency at every performance level. Each model is available in different versions with a large range of options for the packaging of food and non-food products. Moreover, product feeding, distribution and conditioning to a flow wrapping system is one of the added values of the FLEXIBLE PACKAGING HUB offer.
IMA can provide stand alone HFFS machines or complete turn-key solutions ensuring the highest efficiency is achieved and maintained.

- Bakery, Biscuits & Cookies
- Pizza & Tortillas
- Snacks
- Pasta & Noodles
- Chocolate & Confectionery
- Dairy
- Meat & Poultry
- Fish & Seafood
- IQF
- Produce
- Pet Food
- Home & Personal Care
- Wet Wipes
- Pharma & Medical


Pillow

Pillow with and without gusseting


Pillow Reclosable


Pillow Reclosable with stand-up feature


Pillow with clip

Quattro

Quattro Reclosable


3 Side Seal

Shrink


Shrink Barrier



HORIZONTAL FORM FILL & SEAL
Solutions





STAND-ALONE FLOW WRAPPERS

Stand-alone HFFS machines with manual feeding system and without M.A.P. devices. Ideal for dry and not perishable products at medium-low production speeds. Film control, NPNB (No Product No Bag) and servo-driven are just some of the features that can be provided and installed on this range of HFFS machines.



FLOW WRAPPERS FOR M.A.P.

One of the most effective ways to extend the shelf life of fresh products is to pack them in a hermetically sealed pack with a modified atmosphere. IMA robust flow wrappers are precisely engineered to ensure a reliable sealing process.. This range of machines are also ideally suited for non-food applications where a hermetically sealed pack is required, such as medical and personal care products like wet wipes.



INTEGRATED LINES FOR DEDICATED APPLICATIONS

Thanks to proven expertise gained in food & non-food industries' key applications, IMA offers integrated flow wrapping solutions for specific products or markets delivering high efficiency and maximising the OEE with real time production and remote diagnostics data. Fully automated solutions for applications such as pizza & tortillas and primal meat.





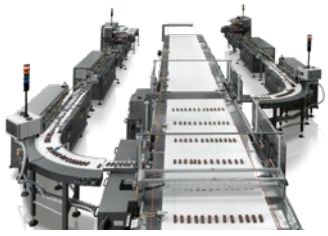
FLOW WRAPPERS FOR CANDIES AND GUMS

Flow wrapping solutions for small sugar confectionery items like candies, jellies, gums, lollipops, chewy candies, bubble gums and many more. Such modular and flexible machines are available in a wide range of configurations and can be equipped with several feeding systems: centrifugal disc feeder for candies, jellies, lollipops and pellets; cut & wrap feeding systems for products coming in rope; specific feeding systems for chewing gum slabs.



TURN-KEY SOLUTIONS FOR BAKERY PRODUCTS

Complete packaging lines for a wide range of bakery products such as biscuits, crackers, cakes and rice cakes, rusks, swiss-rolls, crisp bread, wafers and noodles.
IMA offers turn-key solutions including dedicated equipment for the handling, feeding, distribution, stacking and portioning; integrated primary and multipack flow wrappers; X-fold wrappers and a wide range of options and fully customized systems according to the market needs.



SOLUTIONS WITH DISTRIBUTION AND HANDLING SYSTEMS

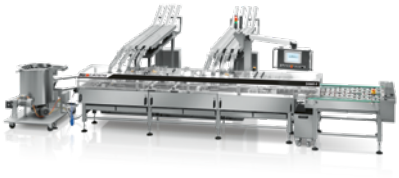
Product distribution and conditioning to a flow wrapping system forms part of IMA's integrated solutions philosophy ensuring the highest efficiency is achieved and maintained. Integrated Distribution Systems include buffer storage and refeed modules, row removal, staging and feeding as well as gentle product handling and accurate timing. Cross belt feeding systems linked to flow wrappers and aligning systems for products coming randomly complete the range.

HORIZONTAL FORM FILL & SEAL
Solutions











SOLUTIONS WITH INTEGRATED ROBOTIC SYSTEMS

In some instances, either the product, the delivery method or the space available results in a robotic solution being the best fit. These systems, such as pick & place or loading robots, may feed directly into the wrapper infeed or may pre-group the product to conveyors to allow subsequent delivery to the wrappers through smart belt systems that ensure constant delivery to the wrappers.

SANDWICHING AND FLOW WRAPPING

Fully electronic sandwiching lines, wire-cut technology, for the production of sandwich biscuits and crackers, available with 2 or 4 lanes. Turn-key solution with sandwiching line directly combined with flow wrapper for pile pack configurations. Real time synchronization, compact solution and direct product transfer from the sandwiching towards the flow wrapper. Single and double cream colour and layering available.

ON EDGE X-FOLD WRAPPING

Fully electronic X-Fold wrapper for biscuits, crackers, rusks and rice cakes on edge available in manual, semi and fully automated configurations. Feeding, stacking systems and automatic portion feeders available.

High performance solution able to reach up to 100 packs/min, with tight packs assured thanks to our advanced longitudinal sealing technology.



STAND-UP POUCH
Solutions

IMA offers solutions for both liquid and solid products. For liquids, IMA has developed a range of innovative medium-to-high-speed Stand-Up Pouch machines. These machines feature a unique continuous motion system for liquid filling and can be combined with pouch forming modules. The range is available with different levels of hygiene, including hot and cold filling, Ultra Clean (for ESL products), and Aseptic options. The solutions can handle or form pouches without spouts, with top spouts, corner spouts, shaped round corners, and handle punches.
For small solid products, IMA recently launched an Open Frame Stand-Up machine with an unrivaled compact design. This machine features vertical intermittent bag forming and horizontal filling stations with hybrid movement. The series is characterized by its compact design, extreme flexibility, and high efficiency. Pouches can be equipped with a re-closable zipper, an easy-to-open tear-off notch, and hole punch options.

- Baby Food & Beverages
- Chocolate & Confectionery
- Dairy
- Preserves and Condiments
- Snacks & Baked Goods
- Pet Food
- Granules & Powders
- Health Care
- Home & Personal Care

PACK STYLES FOR LIQUID PRODUCTS


With spout and handle


With soft spout profile


Shaped profile with spout


With round corners


With top spout child safe cap


With top spout


Shaped profile


Shaped profile with top spout


With straw hole

PACK STYLES FOR SOLID PRODUCTS


With tear notch


With hang hole


With round corners


With tear notch and zipper


Shaped profile


12
11

STAND-UP POUCH FOR LIQUID PRODUCTS

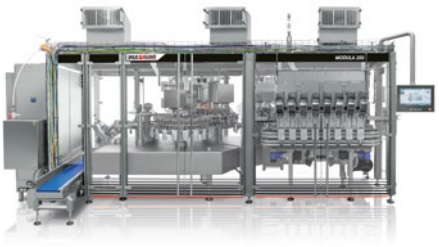
Solutions





POUCH MAKING MACHINES

Linear machines that create Stand-Up Pouches from pre-printed reels. Customers enjoy maximum freedom to create the pouch shape of their choice and can produce pouches in a variety of sizes.
Loaded with two reels for the front and back of the pouch and several reels for the bottom, depending on pouch size, this solution automatically unwinds, punches and seals the material to obtain an high quality finished product. Available in different speeds depending on pouch size and customer needs.

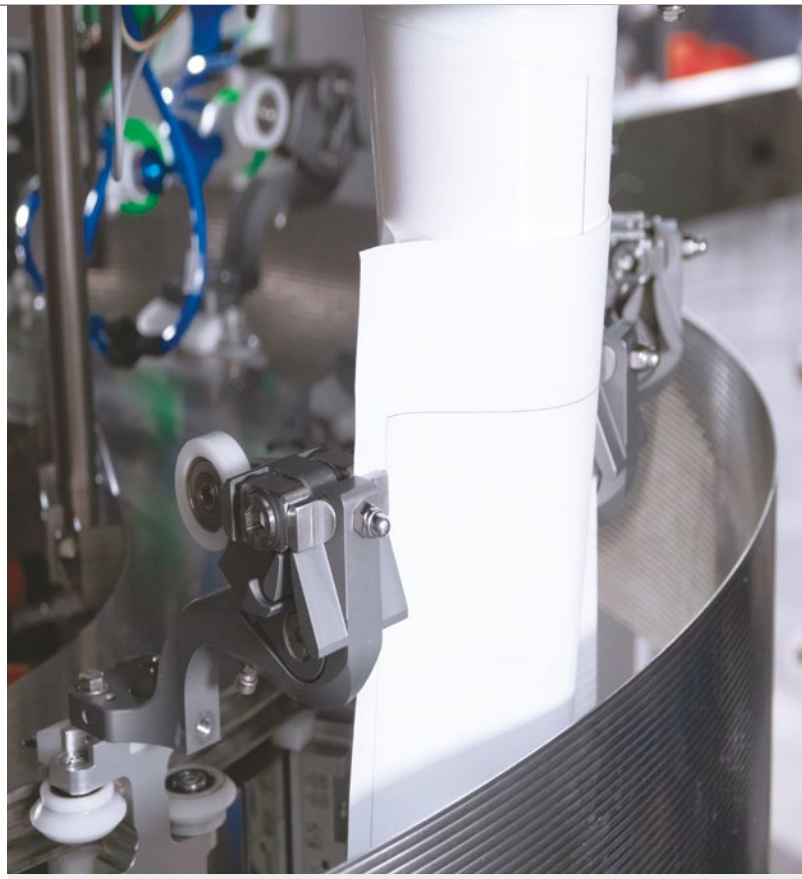


UNSPOUTED POUCH FILLING MACHINES

Continuous rotary machines that fill and ultrasonically seals pre-made pouches using a patented "double pick-up" system. Ideal for liquid and high-viscous products, this solution is very versatile and offers high-speed changeover procedures.
Suitable for filling applications where high hygienic standards, huge flexibility, and rapid changeover procedures are key factors, this range ensures ultimate filling accuracy and sealing reliability and boasts an extremely low rejection rate. Furthermore, the patented "double pick-up" system avoids the use of chains for pouch handling.

FOR SOLID PRODUCTS
Solutions







SPOUTED POUCH FILLING MACHINES

High-speed, continuous motion rotary machines assembling, filling and sealing spouts and premade pouches in a wide variety of shapes and sizes. High efficiency and premium quality results for countless products. With 4 different models processing at different speeds, all handling a wide range of pouch sizes, this solution is a highly flexible solution with a reduced footprint. Adapts easily in order to handle film, spouts and caps from different suppliers, and uses the "filling through the spout" technique (spouts are sealed to the pouch before filling) to ensure the highest performances in product handling.



FORMING, FILLING AND SEALING POUCH MACHINES

Innovative and versatile FFS Stand-Up Pouch machines feature an unrivaled compact design, thanks to vertical intermittent bag forming and horizontal filling stations with hybrid movement. This solution offers extreme flexibility with a modular design, enabling it to produce bags from film reels or to run and seal pre-made bags from an optional buffer. The machine achieves great efficiency due to a fully automatic format changeover system for the forming, filling, and sealing stations, driven by magnetic shuttles. Pouches can be equipped with a re-closable zipper, an easy-to-open tear-off notch, and hole punch options.

VERTICAL FORM FILL & SEAL
Solutions

VFFS Continuous & Intermittent film motion packaging machineries designed to produce the highest quality and most innovative range of pack styles, whilst delivering flexibility and exceptional performance. Ideal for loose particulates, fresh or frozen produce, powders, granulated products and liquids.
Multilane vertical machines for stick type packages ensure an increase in production and minimize wrapping material waste. Based on servo-motorized mechanism, the machines can pack different sizes of sticks and are suitable for liquids, powders and granulated products.

- Bakery
- Snacks
- Chocolate & Confectionery
- Dairy
- Meat & Poultry
- IQF
- Produce


Centered stick pack


Pour spout stick pack


Easy opening features stick pack


Fin seal


Easy opening features fin seal


Pour spout fin seal

Pillow ultrasonic

Pillow vertical

Block bottom


Block bottom with window and handle

3 side seal vertical

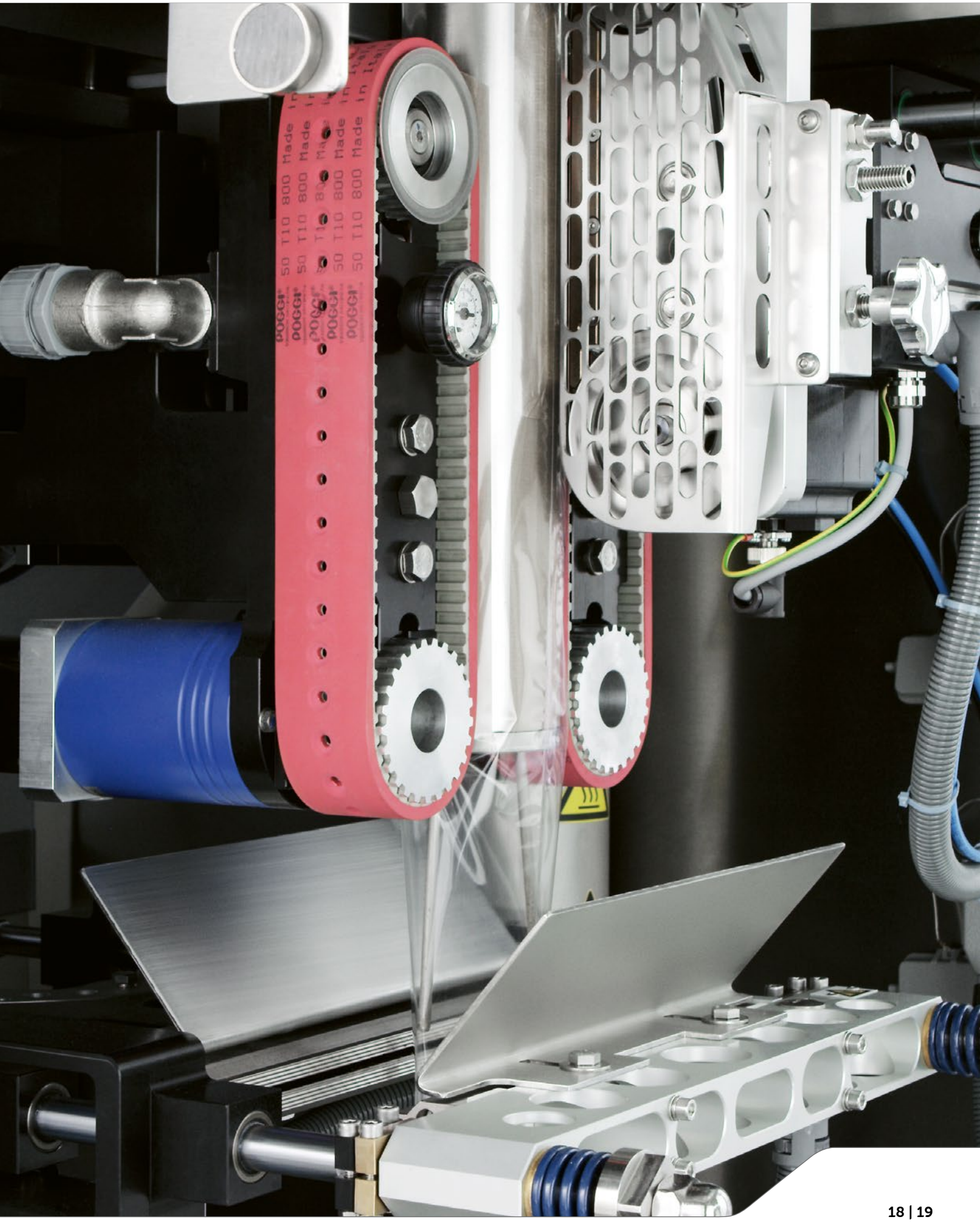

Quattro vertical


Carry Fresh


Doy Shark

Flexcan


Easypack


50 T10 800 Made

VERTICAL FORM FILL & SEAL
Solutions



VFFS MACHINES WITH INTERMITTENT FILM MOTION

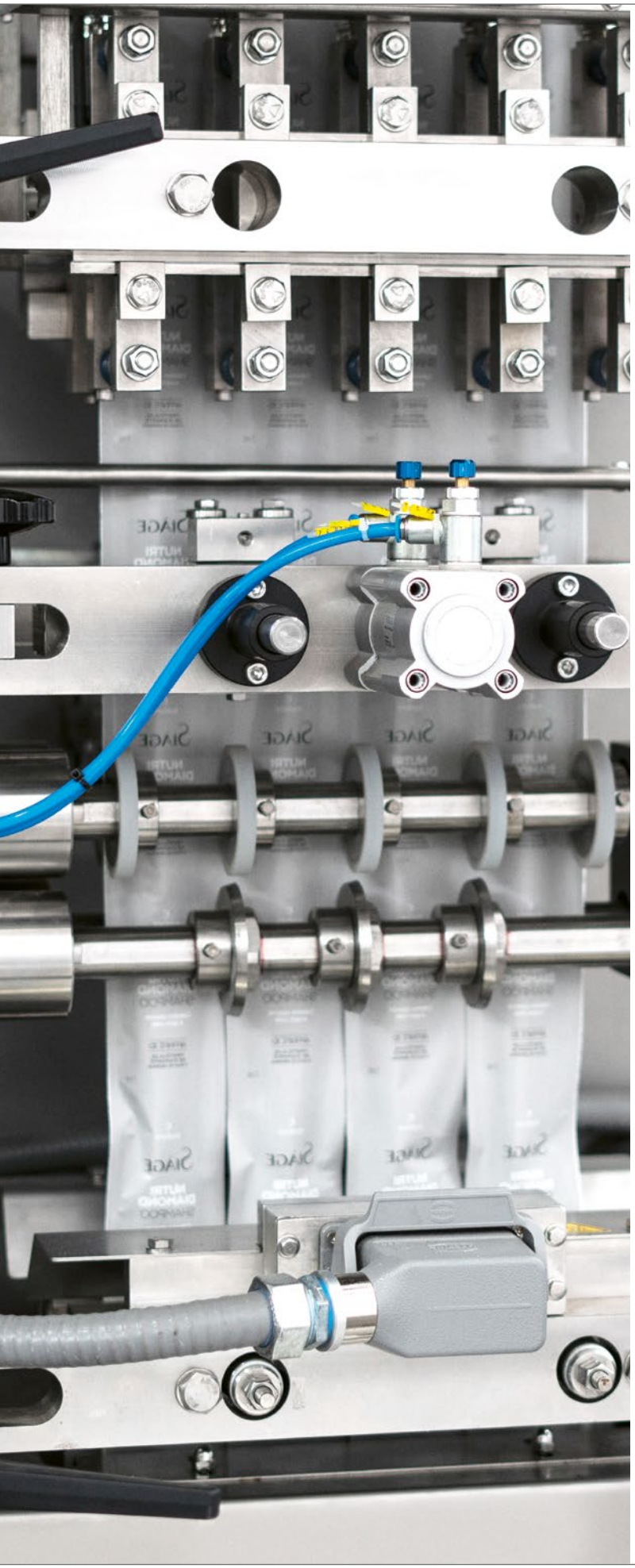
Low-, mid- and high-end automatic intermittent VFFS machines featuring excellent sanitary design for dry and wet applications with the option of Modified Atmosphere Packaging (M.A.P.).
Ideal to run a wide variety of pack styles including Doy packs and transverse zipper bags for industries such as produce, dairy, IQF, bakery, confectionery with both heat and ultrasonic sealing.



VFFS MACHINES WITH CONTINUOUS FILM MOTION

The IMA continuous film motion top performing baggers can pack both dry and wet products in a variety of bag styles, including pillow, block bottom, Quattro, EasyPack and Doy-style packs.
IMA's VFFS machines have been developed to meet the specific demands of food industry in terms of sanitary design, accessibility, fast changeover and OEE (overall equipment effectiveness).
Open frame design, IP66 rated electrical components and easily removable forming tube.







STICK PACKAGING MACHINES

Stick Packaging machines produce high quality stick type packages providing reliability, increasing production and optimizing the use of packaging material.
The machines guarantee a high performance output in the packaging of liquids, powders and granulated products. The design of the machines is based on an Open Frame architecture that provides easy cleaning and accessibility for maintenance and operational adjustments.



TURN-KEY VFFS SOLUTIONS

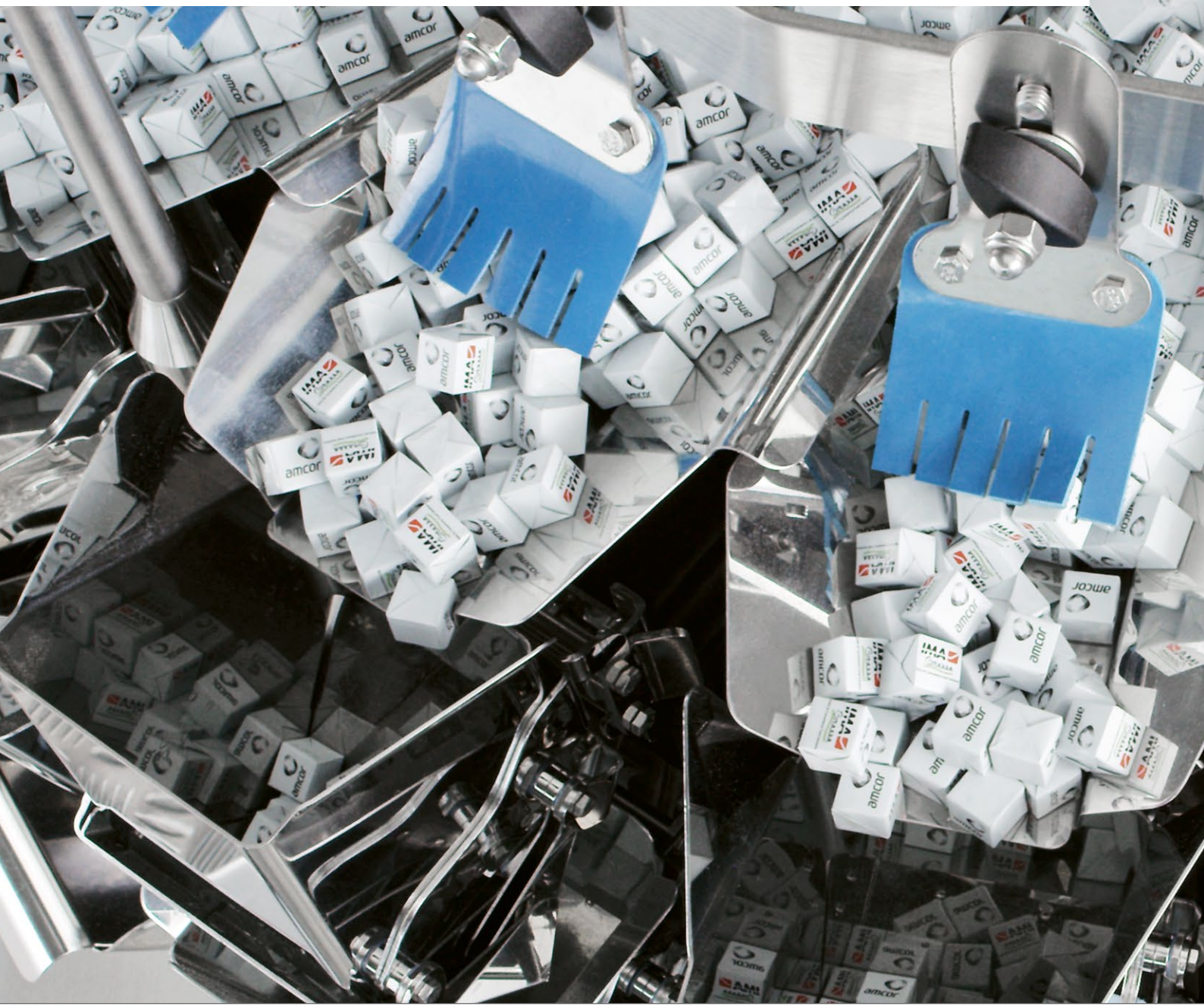
Thanks to its complete turn-key systems, IMA can handle your product from the thermal processing system exit belt to dosage, primary and secondary packaging.
IMA offers a variety of dosing systems, including high-efficiency vision counters for gentle product handling, multi-head weighers for loose products and counters. The range of VFFS machines, from low-end to top-end, offers extreme sealing pressure for M.A.P. applications, many pack styles and changeover features.

WEIGHING AND COUNTING
Solutions

Compact-design multi-head weighers suitable for a wide range of products: dry, fresh and frozen. Sanitary and wash-down execution available with small, medium and large hopper volume to best meet the application target. Easy detachable product contact parts available in plain execution, embossed or with special coatings. They can run in weighing or counting mode in standard configuration.

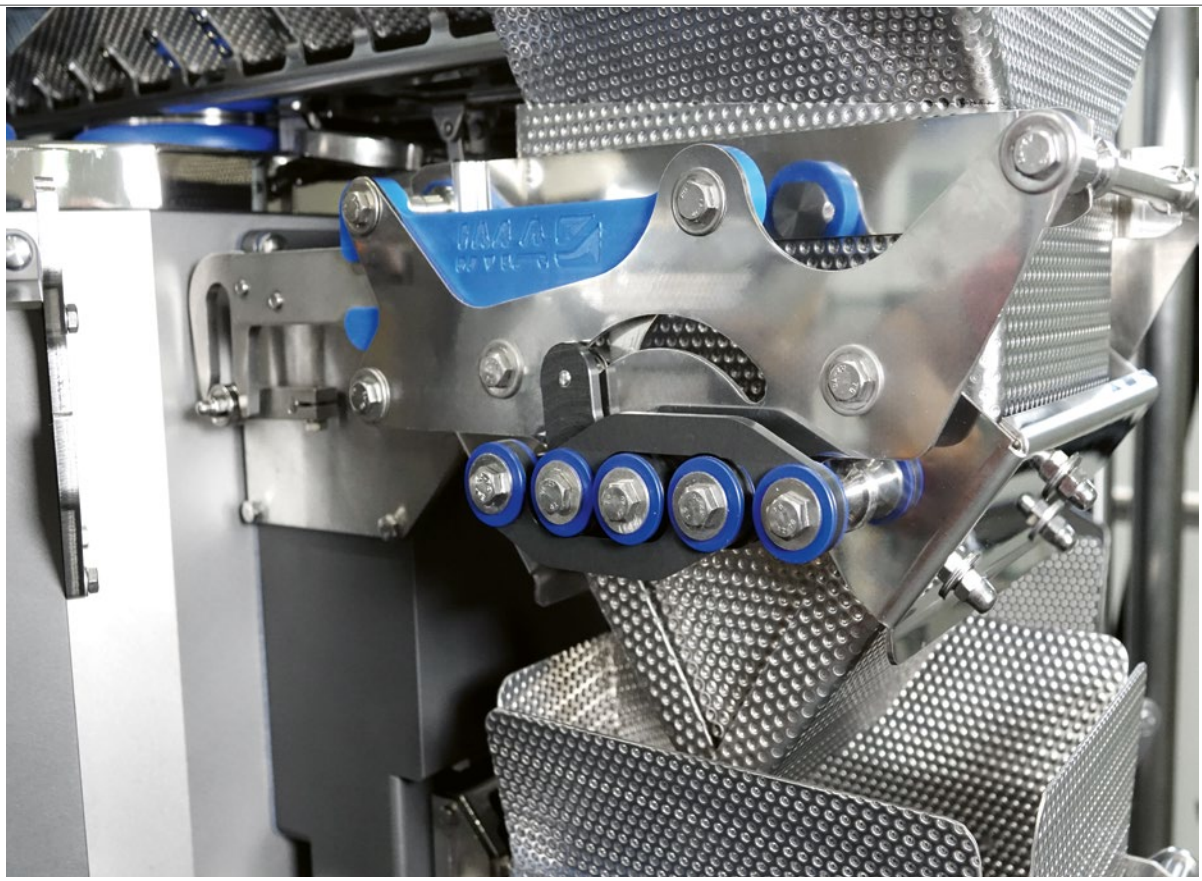
- Bakery
- Biscuits & cookies
- Snacks
- Chocolate & Confectionery
- Dairy
- Meat & Poultry
- IQF
- Produce
- Pet Food






amcor

WEIGHING AND COUNTING
Solutions





MULTIHEAD WEIGHERS

High quality multi-head weighers tailored to each customer's products, to weigh consistently and precisely across a very wide range of pack weights and speeds. The product range includes weighers from 10 to 24 heads, with construction standards for either "dry" or "wet" environments. Sanitary design, accessibility, fast changeover and OEE.



LINEAR WEIGHING MACHINES

IMA linear weighing machines are tailored to each customer's products, to weigh consistently and precisely across a very wide range of pack weights and speeds. The product range includes weighers from 8 to 16 heads, with construction standards for either "dry" or "wet" environments. Designed for produce and bakery sectors.





LINEAR COUNTING MACHINES

IMA linear counting machines are tailored to each customer's products, to count precisely across a very wide range of products and speeds. The product range includes counters from 4 to 12 lanes, with construction standards for either "dry" or "wet" environments. Designed for produce and bakery sectors.



COUNTING MACHINES

Counts controlled by a vision system into boxes or vertical form fill and seal machines at a high speed with over 99% accuracy.
The Vision range offers complete flexibility in terms of product type, shape and size. Key to the flexibility of the belt-based system is a powerful line scan camera combined with single pneumatic driven fingers (Batchmaker) to separate the products.

SECONDARY AND END OF LINE
Solutions

Discover our full array of secondary and end of line packaging solutions to add the final touch that your product deserves. Thanks to our deep knowledge in advanced automation, we can deliver a comprehensive range of manipulation, cartoning, overwrapping, case packing, stretch banding, shrink wrapping, palletizing and de-palletizing solutions. Print & apply systems and modular labelers for self-adhesive labels complete our offering and contribute to cover almost any label application request.





Wrap-around tray with or without closing lid



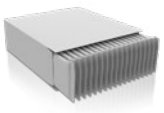
Top loading tray and display box



Display box for flexible packs



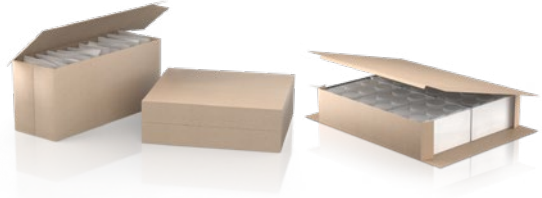
Pre-glued carton for single product



Pre-glued carton for multiple products



Display boxes for flexible packs



Wrap around cases



Standard RSC case



Pallet



SECONDARY AND END OF LINE
Solutions





CARTONING MACHINES

Cartoning machines are designed to handle a wide range of carton formats allowing a gentle product loading at high, medium or low speed. Cartons can be closed with hot melt glue or tuck-in system. The screen controls deliver ease of use and step by step changeover for reliable and repeatable operations.



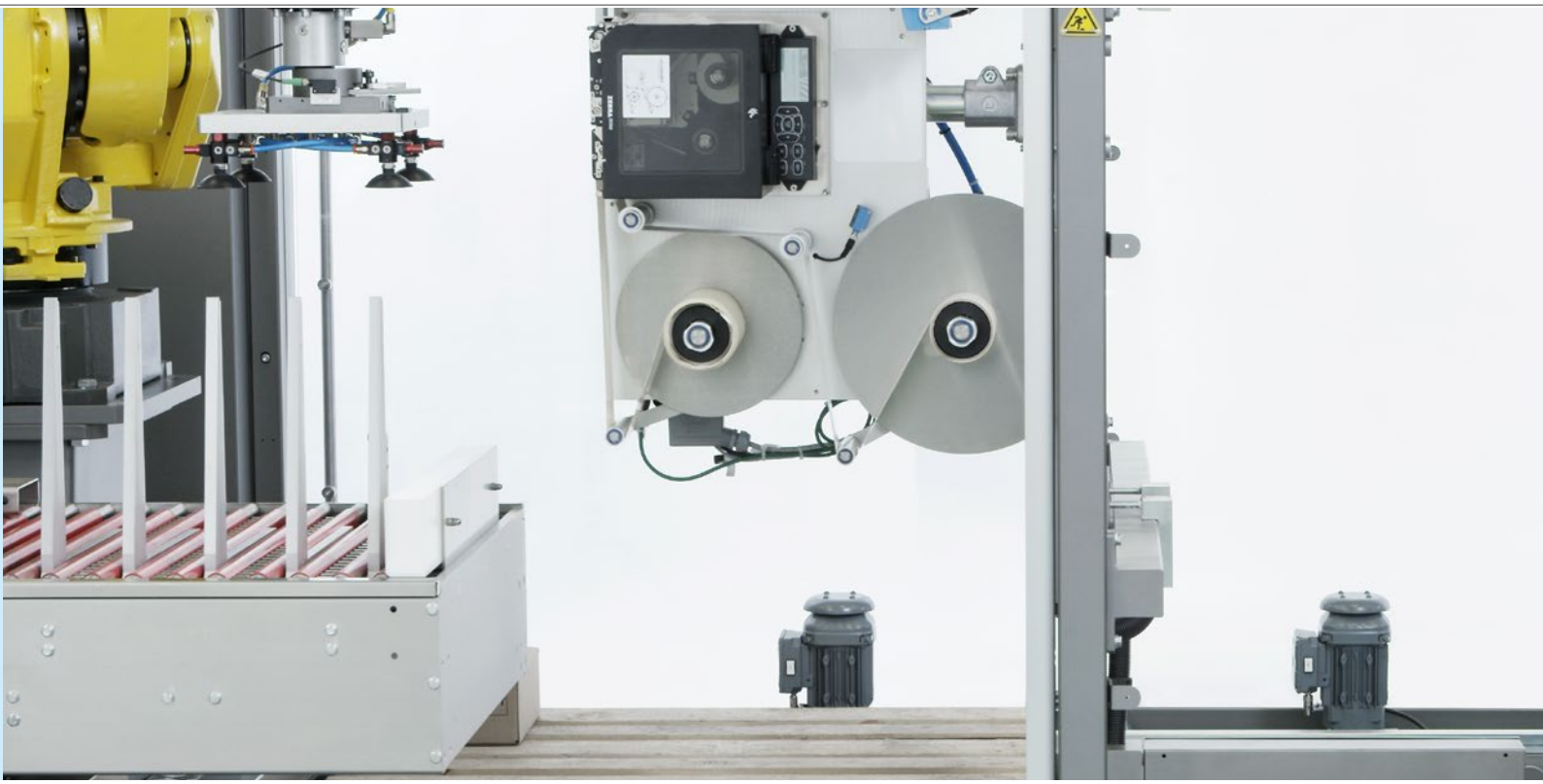
FORMING, LOADING & CLOSING MACHINES

Forming Machines with single, double or triple forming head are suitable for erecting a variety of cartons, trays and boxes starting from flat blanks. Loading System are designed to handle a wide variety of shapes and load them into cartoners (hinged lid boxes or RSC cases), flow wrappers or case packers. These systems can also handle products from or into trays for transport or storage. Closing machines are suitable to close the boxes along the lateral flaps by hot melt or self adhesive tape. All these systems can be stand alone or integrated in a single MonoBlock (MB) machine, an All-in-one solution.



STRETCH BANDING, SHRINK WRAPPING AND OVERWRAPPING MACHINES

Overwrapping machines feature specific film winding, cutting and sealing systems to ensure that the film is always cut with a geometrically precise fold and sealed without wrinkles, air bubbles or other blemishes. They can wrap single or bundled cartons using plastic, paper, recyclable or compostable materials without changing machine configuration. Stretch and shrink wrapping machines can cover different speeds and offer specific solutions for products whose shape tends to vary widely. The machines can always be combined with a heat-shrink tunnel with reduced power consumption.





CLOSING MACHINES

Closing machines are suitable to close the boxes along the three lateral flaps by hot melt closure. Hot melt is set by guns system (one gun sets the glue along the longest side of the box, the other two guns close the two smallest sides).
The changeover size can be easy made by means of handswheel regulation system.
The machines are provided with independent motor and a synchronising device placed at the entering of the machine.



CASE PACKING MACHINES

A wide range of side, top loading and wrap around case packers is available to handle all types of products and shapes.
For each specific application and speed, we provide the best solution to pack either individual or bundled products into cases, display boxes or trays.
Our case packers can be integrated with palletizing solutions in a compact structure.



PALLETIZERS AND DEPALLETIZERS

Available in several versions ranging from basic applications, such as manual pallet loading, up to more sophisticated solutions, such as automatic feeding of empty pallets and unloading of full pallets, palletizers have a solid structure and use precise, rapid multi-axis robotized systems for accurate positioning of products on pallets.

OPEN LAB

OpenLab is the IMA Group's network of technological laboratories and testing area, dedicated to the research of sustainable materials, technologies and production optimization processes.

- Lugano - CH
- Foiano della Chiana (AR) - IT
- Bologna - IT
- Lowell, AK - USA



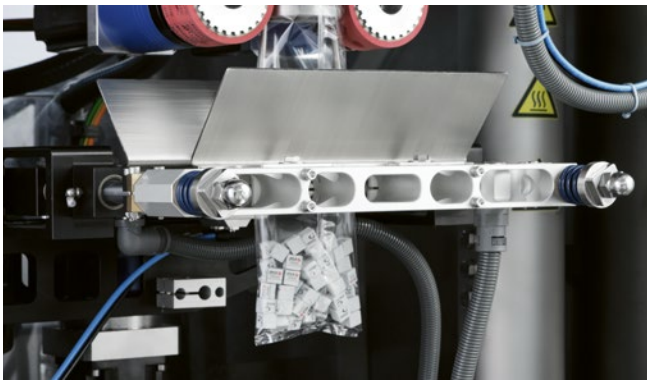
MAKE INFORMED MATERIAL DECISION

OpenLab has carried out in-depth analysis of the composition and performance of most flexible films available on the market. Drawing from this extensive library and on its own practical experience, IMA FLEXIBLE PACKAGING HUB can help you to enhance efficiency by selecting the best film for your application.



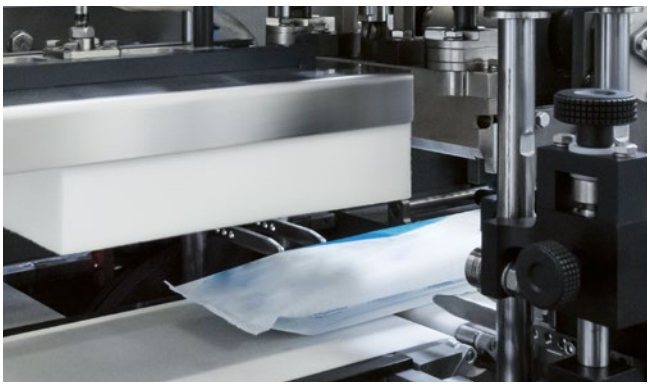
TECHNICAL TROUBLES? OPENLAB'LL GET SHOT OF THEM

OpenLab experts will work through any technical glitches that are preventing your film and your packaging machine from interfacing seamlessly. Whether it's a different film composition or a mechanical machine fault that is causing an issue, IMA FLEXIBLE PACKAGING HUB will analyse both material and machine to diagnose the problem and restore reliable performance.



TEST TOMORROW'S FILMS. TODAY

OpenLab evaluates most emerging sustainable and breakthrough materials before they are even commercially available in order to know how to run them on the IMA machines. If you are thinking about introducing a new biodegradable, performance-enhanced or ultra-thin film, be sure to take advantage of OpenLab testing capabilities. IMA can design a turn-key machine to accommodate the sealing and running characteristics of your chosen film. In addition, the offer includes thorough testing of new materials, from laboratory analysis right through to trials on production lines that simulate real-life conditions – avoiding actual downtime and costly mistakes.



EDUCATION CENTER

To help our customers obtain top performance and maximum safety from our machines, IMA recommends technical training courses for personnel from Production (Operators, Technicians and Supervisors), R&D, Process Transfer Department and the Maintenance Department.

Training courses can be organised at IMA's site or at the customer's plant and are held by qualified IMA technicians. They provide instructions for the customer's staff on how to operate the machine and maintain it in perfect working conditions and how to carry out troubleshooting procedures in the easiest, fastest possible way.

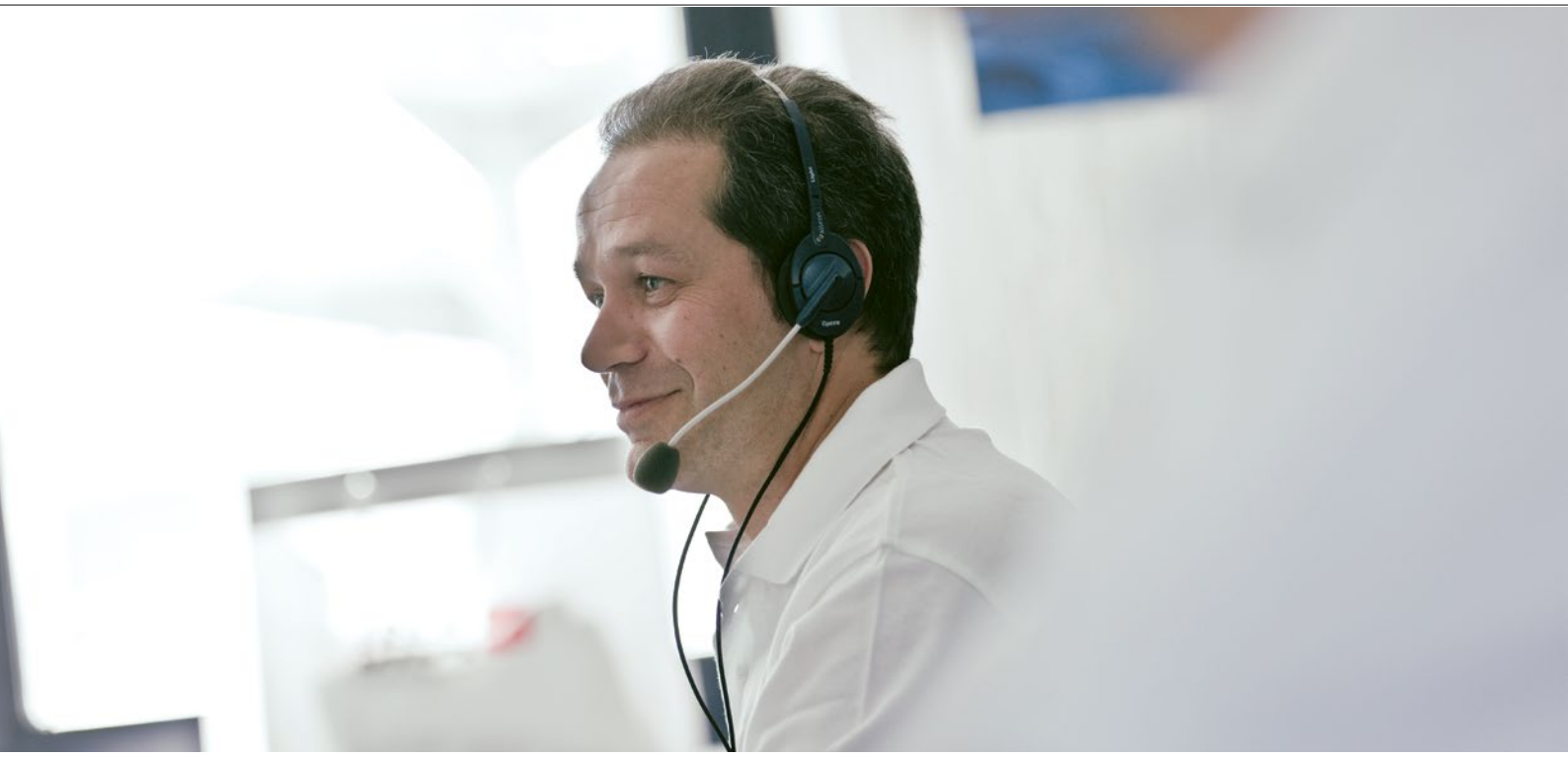
Our Training Courses are tailor-made and modular, in order to fulfill all customer needs; special attention is given to the customised units fitted to the machine and to the best and most effective way of dealing with any situation which may arise during machine operation.

During the training sessions our experts explain the correct use of the documentation supplied with the machine.

An Attendance Certificate is issued for all participants who successfully complete their assessment tests.



SERVICE



UNRIVALLED EXPERIENCE, ANYWHERE IN THE WORLD

Unrivalled experience in the market, highly skilled technicians able to intervene anywhere in the world, plus personalised maintenance programmes to ensure ongoing support and maximise performance are the key elements provided by IMA to sustain your competitive advantage in a demanding market place.
Throughout the entire equipment lifecycle, IMA guarantees on-site technical assistance to ensure minimal downtime, thereby safeguarding your productivity.
From the design phase onwards, for both turn-key solutions and single machines, we believe that working together with each customer leads to the very best solutions, always tailored to real, closely evaluated situations.
Even during testing and validation, the customer is our main point of contact for a reciprocal exchange of know-how. This dialogue does not end at the time of delivery, it continues through the complete lifecycle of the machine.

THE NEED FOR EXCELLENT SERVICE AROUND THE WORLD

- Present in over 50 countries
- 8 branches providing sales and service
- Local technicians and supervisors for prompt support

DOCUMENTATION

All machines are delivered with full detailed technical documentation including:

- Spare parts catalogue for rapid part identification and easy ordering.
- Instruction manuals for machine groups and commercial units, each manual contains separate sessions for operators and technicians.
- Electrical documentation including functional drawings, I/O tables, PLC and microprocessor cards lists.

ABOUT IMA GROUP

IMA Group is world leader in the design and manufacture of automatic machines for the processing and packaging of pharmaceutical, personal care, food, tea and coffee products.
The Group is present in around 80 countries, supported by a sales network made up of 29 branches (Italy, France, Switzerland, the United Kingdom, Germany, Austria, Spain, Poland, Israel, Russia, the United States, India, China, Malaysia, Thailand and Brazil), representative offices in central-eastern Europe and more than 50 agencies.
IMA Group has more than 40 production plants in Italy, Germany, France, Switzerland, Spain, UK, USA, India, Malaysia, China and Argentina.
In planning its strategies, IMA Group takes account of the economic, social and environmental impact of its operations, adhering to the principles of sustainable growth and Corporate Social Responsibility.

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IMA S.p.A. reserves the right to make any changes to the described machine characteristics.

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